

WE CLAIM:

1 1. In an amphibious vehicle that generates hot exhaust
2 gas, a system for reducing the infrared visibility of the vehicle
3 when it is in a body of water, the system comprising:

4 means including a nozzle directed downward at and
5 closely juxtaposed with a surface of the body of water for
6 expelling the hot exhaust gas downward at the surface so as to
7 form a water-droplet cloud, whereby the cloud cools the gas and
8 masks the vehicle.

1 2. The system defined in claim 1 wherein the nozzle is
2 set at an angle of at most 60° to vertical.

1 3. The system defined in claim 1, further comprising
2 means for mixing cool ambient air with the hot exhaust
3 gas prior to expelling the hot exhaust gas from the nozzle.

1 4. The system defined in claim 1 wherein the mixing
2 means includes an ejector.

1 5. The system defin d in claim 1 wh rein the nozzle
2 forms a restriction such that the hot exhaust gas issues from it
3 at high speed.